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UGC NET

General Paper On Teaching & Research Aptitude

SAMPLE

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Sample Questions With Solutions

1. Programmed instruction is based on the following principle of learning

(A) Primary reinforcement (B) Secondary reinforcement

(C) Continuous reinforcement (D) Instruction based on programs

2. The essential characteristic of cooperative learning is :

(A) Effective learning (B) Positive interdependence

(C) Cooperation (D) Division of labour

3. Which Programme allow students to demonstrate academic competence through a combination of assessment and documentation of experience to gain academic credit :

(A) The Choice Based Credit System (CBCS)

(B) The Choice Based Core System

(C) Student Assessment Programme

(D) The Ascertain Based Credit System

4. Which of the following(s) is/are level(s) of Teaching ?

(A) Understanding (B) Reflective

(C) Memory (D) All of the Above

5. Blended Learning Means

(A) Offline Learning Method

(B) Face to Face class room learning and online education methods.

(C) Distance learning through Study material

(D) None of the above

6. Government of India constituted a high level advisory body known as :

(A) University Grand Commission (B) Central Advisory Committee

(C) National Knowledge Commission (D) Central Counseling Board

7. Autocratic Teaching Means :

(A) Regarded as a 'way of life' interrelated with the perceptions and assumptions, common experiences of individuals and it is about living together

(B) Problems related to planning activities for distributing tasks are the responsibility of the Student and not of the Teacher

(C) Teaching requires a choice of varied teaching methods adapted to the audience, to learning objectives and to content

(D) Teaching style means that the teacher makes all the decisions about the organization of the group and the activities performed in the group.

8. Successful Communication in classroom teaching is :

(A) Circular (B) Reciprocal

(C) Directional (D) Influential

9. Conception of learning means :

(A) Ending of Learning (B) Beginning of Learning

(C) Both (A) and (B) (D) None of the above

10. Cognitive Learning characteristics include :

(A) More education and/or learning related such as learning goals (of an individual or a group), prior knowledge, educational type, and educational level

(B) Demographic information such as age, gender, maturation, language, social economic status, cultural background, and specific needs of a learner group such as particular skills and disabilities for and/or impairments to learning.

(C) Social/emotional characteristics are grouped structure, place of the individual within a group, sociability, self-image (also feelings of self-efficacy and agency), mood, etc.

(D) Relate to such things as attention span, memory, mental procedures, and intellectual skills which determine how the learner perceives, remembers, thinks, solves problems, organizes and represents information in her/his brain.

11. Negotiates some of the conflict and differences between positivism and interpretivism

(A) Anti-positivism (B) Post-positivist

(C) Positivism (D) None of the above

12. Ethics is related with :

(A) Beliefs of the person (B) Nature of Law

(C) Civic Principle (D) All of the above

13. The process of writing research paper is

(A) Scientific (B) Unscientific

(C) Original (D) None of these

14. Axiology incorporates

(A) Economic, social norms and values

(B) Methodology, social norms and values

(C) Aesthetics, social norms and values

(D) Aesthetics, social norms and Physical Norms

15. Type of thesis

(A) Qualitative or creative thesis (B) Quantitative thesis

(C) Both (A) and (B) (D) None of these

SOLUTIONS

1. (B) Secondary reinforcement acquire their power via a history of association with primary reinforcement or other secondary reinforcement. Programmed instruction is based on the Secondary reinforcement principle of learning.

2. (B) Positive interdependence is an element of cooperative and collaborative learning where members of a group who share common goals perceive that working together is individually and collectively beneficial, and success depends on the participation of all the members.

3. (A) University Grants Commission has come up with the Choice Based Credit System (CBCS) programme in which the students have a choice to choose from the prescribed courses, which are referred as core, elective or minor or soft skill courses and they can learn at their own pace and the entire assessment is graded based on a credit system.

4. (D)
- Memory (Thoughtless teaching)
- Understanding (Thoughtful teaching)
- Reflective (Upper thoughtful level)

5. (B) Blended learning is a combination of both face-to-face class room learning and online education methods. This approach is adopted to combine the direct supervision in face-to-face learning and academic freedom with the self -paced learning using the online courses. Moreover course completion is not optional but compulsory. This model is named as "Blended Learning - MOOC Model of IIT Bombay (BLMM)"

6. (C) Government of India constituted a high level advisory body known as National Knowledge Commission (NKC) to advise the PM about the state of education in India and measures needed to reform this sector.

7. (D) The authoritative Teaching style means that the teacher makes all the decisions about the organization of the group and the activities performed in the group. Teacher does not share with the students the overall plan of activities, nor the criteria for assessing individual or group performances. Teacher evolution supposes keeping outside the group's concrete activities and exercising a strict control.

8. (B) **Reciprocal Communication :** Communication is a two-way, reciprocal process. We communicate with others to make our needs and desires known, and others communicate back to us to acknowledge and respond to our needs. It is successful communication in classroom teaching.

9. (B) Conception of learning means beginning of learning. Conception of learning is an umbrella term that refers to one's values, attitude, beliefs and intention towards learning.

Conception of learning and conception of teaching are interrelated beliefs and values which is generally known as 'conception of learning'. There is also keen interest in understanding how the students' conception of learning affects their studying and ultimately their quality of students' learning.

10. (D) Relate to such things as attention span, memory, mental procedures, and intellectual skills which determine how the learner perceives, remembers, thinks, solves problems, organizes and represents information in her/his brain.

11. (B) Post-positivism negotiates some of the conflict and differences between positivism and interpretivism. It offers a variety of methodological choices for nurses who do not wish to align themselves strictly with facts, cause-effect and proving hypotheses or with only participant perspectives and experiences.

12. (D) Research ethics comprises the principles and standards that guide behavior in the conduct of research. Researcher involves human and social subjects which raises unique and complex ethical, legal, social and political issue. Research ethics provide guidance and code of conduct which follow scholar to create new idea and knowledge for society and human being.

13. (A) Research journal paper is presented interpretation, evaluation and argument. It is a process of communication in scientific way about research work.

14. (C) Ethics or the Axiology is also one of the assumptions. Axiology incorporates in itself the aesthetics, social norms and values. From the positivist view, one may not infer any existing social or moral values, but they have their own ethics of rationality and objectivity.

15. (C) **Qualitative or Creative Thesis :** This type of thesis is descriptive, exploratory, analytical or creative way. Arts and humanities graduate students are working this type of thesis.

Quantitative Thesis : Probably science graduate students are working this type of thesis which provide contain data, piece of information, made by scientific devices and recorded numerically on some type of scale.